



Les 2^{èmes} Journées du Réseau France Microtubules
(French Microtubule Network)
6 et 7 juillet 2015, Université Grenoble Alpes

LUNDI 06 JUILLET 2015 - AMPHITHEATRE BOUCHERLE – UNIVERSITE GRENOBLE ALPES/CHU

9h00 Welcome & Registration

9h30-10h30 Seminar Invited Speaker Niels GALJART (Rotterdam, The Netherlands)

10h30 - 11h **SESSION 1 MICROTUBULE ASSEMBLY AND REGULATIONS (I)**

- EB1-gold reveals the GTP-cap architecture of growing microtubule ends. Frank BAZILE
- Direct evidence for the interaction of stathmin with microtubules in cells: an investigation made by real-time confocal imaging coupled to FRET and FRAP spectroscopies. Gilles BREUZARD

COFFEE BREAK

11h30 – 12h45 **SESSION 2 MICROTUBULE ASSEMBLY AND REGULATIONS (II)**

- EB1 links microtubule network organization and touch response in *Arabidopsis thaliana*. Frédéric COQUELLE
- Unravelling the mechanoperception and transduction pathway controlling the microtubule response to mechanical stress. Stéphane VERGER
- Investigating the position of GCPs 4, 5, 6 in the Gamma-tubulin ring complex. Dorian FARACHE,
- Microtubule and actin organization by the neuronal MAP tau. Isabelle ARNAL
- Role of tubulin polyglutamylation in neurodegeneration. Maria M. MAGIERA

LUNCH

COFFEE BREAK

15h30-16h30 **SESSION 3** **MICROTUBULES AND THEIR REGULATORS: NEW THERAPEUTIC TARGETS? (I)**

- **Microtubule-bound septins together with tyrosinated and polyglutamylated tubulin confer cell adaptation to Taxol® and impact on cell motility.** Anita BAILLET
- **The role of primary cilia in colon homeostasis and tumor development.** Ruizhi TANG
- **End-binding 1 protein overexpression correlates with glioblastoma progression and sensitizes to Vinca-alkaloids in vitro and in vivo.** Raphael BERGES
- **Microtubule-associated tumor suppressor ATIP3 interacts with EB1: clinical relevance in breast cancer.** Clara NAHMIAS

COFFEE BREAK

17h15-18h00 **SESSION 4** **MICROTUBULES AND THEIR REGULATORS: NEW THERAPEUTIC TARGETS? (II)**

- **IPP51, a chalcone acting as a microtubule inhibitor with in vivo antitumor activity against bladder carcinoma.** Véronique MARTEL-FRACHET
- **A new LIMK inhibitor stabilizes microtubules and has anticancer activity.** Chloé PRUNIER
- **Photoswitchable microtubule inhibitors for localised optical control of MT dynamics, mitosis, and cell death.** Oliver THORN-SESHOLD

20H00 DINER PRISE DE LA BASTILLE



MARDI 07 JUILLET 2015 - AMPHITHEATRE BOUCHERLE – UNIVERSITE GRENOBLE ALPES/CHU

9h00-10h30 SESSION 5 **MICROTUBULES AND CELL DIVISION (SPINDLE ORGANIZATION)**

- **Proper timing of spindle assembly is critical for correct chromosome alignment in mouse oocytes.** Isma BENNABI
- **The microtubule depolymerase Kif2 (kinesin 13) localizes to a cortical structure which positions the spindle asymmetrically during unequal cleavages.** Janet CHENEVERT
- **Yeast GSK-3 kinase regulates astral microtubule function via phosphorylation of the microtubule-stabilizing kinesin Kip2.** Dimitris LIAKOPOULOS
- **Ensconsin/MAP7 is required for various aspects of cell division.** Régis GIET
- **Huntingtin is required for mitotic spindle orientation.** Sandrine HUMBERT
- **Different ways to build a mitotic spindle in the mouse brain: from normal to pathological conditions.** Véronique MARTHIENS

COFFEE BREAK

11h00-12h15 SESSION 6 **MICROTUBULES, CELL MORPHOGENESIS AND DIFFERENTIATION**

- **Microtubule-Associated Protein 6 (MAP6) mediates neuronal connectivity through Semaphorin 3E-dependent signaling for axonal growth.** Jean-Christophe DELOULME
- **A role for GSK3 β in controlling the Navigator-Trio-mediated crosstalk between microtubule dynamics and actin remodelling during neuronal morphogenesis.** Jabran BENHARI
- **The characterization of a G2/M TRM isoform sheds new light on the preprophase band function in plant cell division plane positioning.** Martine PASTUGLIA
- **Motor-driven marginal band coiling promotes cell shape change during platelet activation.** Karin SADOUL
- **Cell anisotropy and microtubules.** Vincent MIRABET

LUNCH

13h15 – 14h30 **POSTER SESSION**

14h30-15h45 **SESSION 7** **MICROTUBULES, ORGANELLE TRANSPORT AND CELL MIGRATION**

- **Regulation of cortical microtubule capture and cell migration by a microtubule minus end-associated protein complex.** Habib BOUGUENINA
- **Kinesin-14 transports large DNA molecules through the cytoplasm of eukaryotic cells** Giovanni CAPPELLO
- **Microtubule dependent nuclear domain organization during skeletal muscle fibers development.** Vincent GACHE
- **Huntington's disease: huntingtin and the control of intracellular dynamics.** Frédéric SAUDOU
- **The structure of apo-kinesin bound to tubulin links the nucleotide cycle to movement.** LuYan CAO

COFFEE BREAK

16h15-16h45 **CLOSING SESSION** **ORGANIZATION OF THE NEXT FRENCH MT NETWORK MEETING, 2017**

Organisateurs



Commanditaires

